

Test Code					
Sheet	1	2	1	1	22
Number					

WRAS TEST & ACCEPTANCE CRITERIA

Issue No: 1
Date of issue: July 2000

Sheet 1 of 2

TEST CODE SHEET

1. TYPE OF TEST(S)

Endurance - hot test.

2. WATER REGULATIONS REQUIREMENTS FOR FITTINGSSchedule 2

15-(1) every water system shall contain an adequate device or devices for preventing backflow of fluid from any appliance, fitting or process from occurring.

3. BRITISH STANDARDS OR WATER SPECIFICATION, DEEMED TO SATISFY WATER REGULATIONS REQUIREMENTS

3.1 Fittings with 'kitemarks' which are deemed to satisfy the requirements of regulations are listed in the directory.

4. TEST PROCEDURENote Unless otherwise stated the temperature of the test fluid shall be $20 \pm 10^{\circ}\text{C}$.

4.1 Tests applicable to the following:-

REDUCED PRESSURE ZONE (RPZ) VALVE BA
DN8 to DN250 [For Hot Water use]
Devices for the prevention of contamination by backflow.(A) **REDUCED PRESSURE ZONE (RPZ) VALVE BA** (Derived from prEN 12729. Clause 9.4.2)
DN8 to DN250**NOTE: This TCS is only applicable to valves that are to be used with hot water supplies.**TEST METHOD**APPARATUS** The following apparatus is required.

A supply of water to achieve the required temperature/pressure.

Pressure gauges.

Oven.

PROCEDURE The procedure shall be as follows:-**Test 1**(1) Place the complete device for 72 ± 3 hrs in an environment of $65 \pm 3^{\circ}\text{C}$ with a relative humidity of $50 \pm 5\%$.**Test 2**(2) Remove the device from *Test 1* and mount the device in a test system.(3) Produce a flow rate through the device at a water temperature of $90^{\circ}\text{C} \pm 2^{\circ}\text{C}$.(4) When the temperature reaches $85^{\circ}\text{C} \pm 2^{\circ}\text{C}$ at the outlet of the device, maintain the flow rate for 60 min - 0 + 6 mins. and then supply the device with water at $15^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 10 min - 0 + 60 sec.

Test Code Sheet Number	1	2	1	1	22
---------------------------------------	----------	----------	----------	----------	-----------

Issue No: 1

Date of issue: July 2000

Sheet 2 of 2

5. ACCEPTANCE CRITERIA

At the conclusion of the test, without replacement of any component, the device shall be capable of meeting the performance requirement of TCS 1211.8.